

ABSTRACT

The invention is directed to an engraving element of an electronic engraving machine for engraving printing forms. The engraving element is composed of a shaft (6) oscillating around the longitudinal axis with small rotational angles, of a
5 drive system (1, 7) for the shaft (6), of a lever (14) attached to one end of the shaft (6) with an engraving stylus (15) for engraving the printing form, of a restoring element (11) for the shaft (6), a bearing (8) for the shaft (6) and a damping mechanism (8) for the shaft (6) having a damping element secured to the shaft (6) and a stationary
10 damping chamber. The damping element comprises at least one damping disk that is fashioned circularly at least in regions and extends perpendicular to the shaft (6). The damping chamber is fashioned at least as a hollow-cylindrical segment around the shaft (6) into which the damping disk projects and extends at least over the circular region of the damping disk. The damping chamber is filled with a ferro-fluidic fluid as damping agent.

15 Figure 1